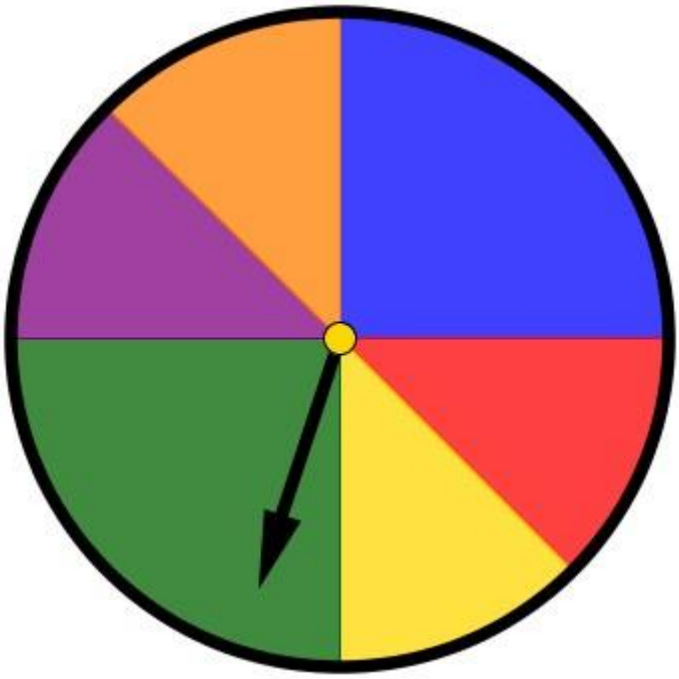
1. The spinner below is spun twice. What is the probability that it will land on a red and green? Round to the nearest tenth of a percent.



3.1%

37.5%

2.8%

1.6%

2. Brittany's cat just had kittens. There are 3 white kittens, 2 black kittens, and one tabby cat. If she gives two cats to her cousin, what is the probability that one will be white and the other will be black?

66.7%

20%

30%

10%

3. There are 52 teams in the NFL. The Seattle Seahawks won the Super Bowl last year. Which expression shows the probability that they will also win the next two years?

A.	$\frac{1}{52^3}$
B.	$\frac{1}{52^2}$
C.	$\frac{1}{52*51}$
D.	$\frac{1}{52*51*50}$

4. The distribution of letters in a Scrabble game are given below.

If 7 pieces are taken from the 100 piece set and Y is considered a consonant, what is the probability that the first two pieces chosen are vowels? Round to the nearest tenth of a percent.

17.6%

17.4%

17.2%

7%

5. A magician is doing a magic trick with a standard deck of cards. He asks Melissa to draw a card at random and then replace it. Then he asks Brandon to draw a card from the deck. What is the probability that both Melissa and Brandon draw a spade? Round to the nearest tenth of a percent.

6.3%

5.9%

0.6%

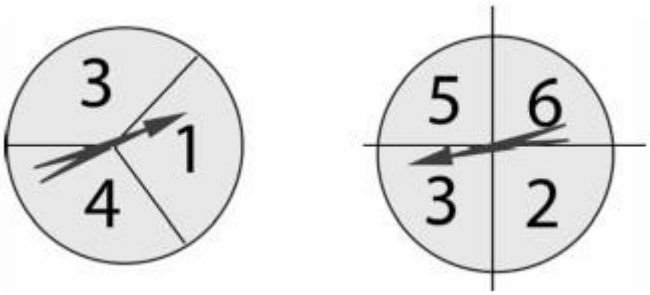
0.5%

6. The distribution of letters in a Scrabble game are given below.

If 7 pieces are taken from the 100 piece set, what is the probability that the first two pieces chosen are “S” and the third is an “E”?

A. $\frac{4}{825}$	**B.** $\frac{3}{20,625}$
C. $\frac{9}{62,500}$	**D.** $\frac{6}{40,425}$

7. Each of the spinners below is spun once. What is the probability that both spinners land on a 3?



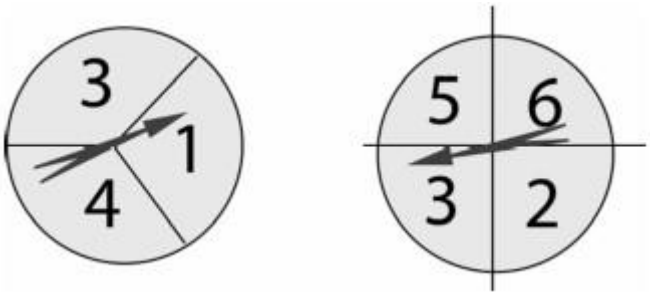
1/9

7/12

1/12

2/7

8. Each of the spinners below is spun once and then added. What is the probability that the sum is odd?



1/2

3/7

1/6

1/12

9. A box of ice pops has 3 blueberry, 3 cherry, 2 lemon, and 2 orange ice pops. Mark, Brad, and David all take ice pops out of the box randomly. What is the probability that Mark and Brad will get cherry and David will get lemon?

1/120

9/500

1/60

3/225

10. A box of ice pops has 3 blueberry, 3 cherry, 2 lemon, and 2 orange ice pops. Mark, Brad, and David all take ice pops out of the box randomly. What is the probability that Mark and Brad will get cherry and David will get lemon?

1/120

9/500

1/60

3/225